

Message Text

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PAGE 01 TOKYO 17665 010839Z

17

ACTION OES-06

INFO OCT-01 EA-09 ISO-00 ACDA-10 CIAE-00 DODE-00 PM-04

INR-07 L-03 NSAE-00 NASA-02 NSC-05 ERDA-07 CAB-05

COME-00 DOTE-00 EB-07 CIEP-02 FAA-00 /068 W

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TO SECSTATE WASHDC 3909

UNCLAS TOKYO 17665

DEPT PASS TO FAA, DOD, NASA

FOR OES/APT/SA

E.O. 11652: N/A

TAGS: TSPA, EAIR, JA

SUBJECT: LAUNCH OF UNIVERSITY OF TOKYO M-3H-1 ROCKET; ADVANCE
NOTICE OF IMPACT AREAS

1. PROF. TAMIYA NOMURA, INSTITUTE OF SPACE AND AERONAUTICAL SCIENCES (ISAS), UNIVERSITY OF TOKYO, CALLED UPON SCICOUNS 11/30/76 TO PRESENT DETAILED INFORMATION ON LAUNCH OF M-3H-1 ROCKET FROM KAGOSHIMA SPACE CENTER (AT UCHINOURA, KYUSHU, JAPAN). PURPOSE OF LAUNCH IS TO ORBIT TEST SATELLITE MS-T3, WHICH WILL PROOF TEST EQUIPMENT AND PROCEDURES FOR SCIENTIFIC SATELLITE EXOS-A, SCHEDULED FOR LAUNCH IN FEB. 1978.

2. MU-3H-1 LAUNCH VEHICLE IS ADAPTATION OF MU-3C. IT HAS INCREASED FIRST STAGE BURN, ACCOMPLISHED BY USE OF 4 PROPELLENT SEGMENTS INSTEAD OF USUAL 3.

3. LAUNCH TRAJECTORY WILL BE DIFFERENT FROM PREVIOUS LAUNCHES MADE FROM UCHINOURA IN THAT IT WILL APPROACH POLAR ORBIT. LAUNCH AZIMUTH IS 152 DEG. CONSEQUENNTLY, IMPACT AREAS FOR FIRST AND SECOND STAGES ARE ALSO CONSIDERABLY DIFFERENT THAN IN PREVIOUS CASES.

UNCLASSIFIED

UNCLASSIFIED

PAGE 02 TOKYO 17665 010839Z

4. EARLIEST LAUNCH DATE IS FEB. 1, 1977, WITH PERIOD EXTENDING THROUGH FEB. 12. STARTING ON FEB. 13, NASDA HAS PRIORITY FOR LAUNCHING N-3 ROCKET FROM TANEGASHIMA ISLAND. IF N-3 ROCKET IS LAUNCHED BETWEEN FEB. 13 AND FEB. 28, THEN REMAINING PART OF MONTH OF FEBRUARY CAN BE USED FOR MU ROCKET LAUNCH PERIOD, IF LAUNCH COULD NOT BE CONDUCTED DURING FIRST PART OF MONTH.

5. LAUNCH WINDOW ON ANY DAY IN AVAILABLE PERIODS STATED ABOVE IS 1400 TO 1450 HOURS JAPAN STANDARD TIME (0500 TO 0550 GMT).

6. FOLLOWING AREA COORDINATES OF FIRST AND SECOND STAGE IMPACT AREAS:

A.

FIRST STAGE (IMPACT IN FIR NAHA AREA)

27 DEG 59 MIN NORTH

132 DEG 34 MIN EAST

28 DEG 14 MIN NORTH

133 DEG 11 MIN EAST

27 DEG 44 MIN NORTH

133 DEG 30 MIN EAST

27 DEG 25 MIN NORTH

132 DEG 46 MIN EAST

B. SECOND STAGE (IMPACT IN FIR HONOLULU AREA)

13 DEG 27 MIN NORTH

138 DEG 47 MIN EAST

14 DEG 03 MIN NORTH

140 DEG 33 MIN EAST

11 DEG 02 MIN NORTH

141 DEG 46 MIN EAST

10 DEG 22 MIN NORTH

139 DEG 49 MIN EAST

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 TOKYO 17665 010839Z

7. SECOND STAGE IMPACT AREA LIES ABOUT FIVE DEGREES WEST OF GUAM, WITH NORTHERN FRINGE OF AREA IN VICINITY OF MAIN GUAM-MANILA COMMERCIAL AIRCRAFT ROUTE.

8. CONCERNING ABORT PROCEDURES, ISAS WILL EMPLOY IIP (INSTANTANEOUS IMPACT PREDICTION)). DEVIATION OF PLUS OR MINUS 20 DEGREES FROM NOMINAL LAUNCH AZIMUTH (152 DEG) IS PERMISSIBLE. THIS ENVELOPE ENCOMPASSES YAP, GUAM, AND SAIPAN ISLANDS.

PROHIBITED ABORT IMPACT ZONES ARE ESTABLISHED AROUND THESE THREE ISLANDS WITH RADII OF 30 KM, 100 KM, AND 100 KM. IIP SYSTEM WILL ABORT LAUNCH IF PREDICTED IMPACT POINT BEGINS TO APPROACH

PROHIBITED ZONES.

9. DETAILED TECHNICAL REPORT AND MAPS BEING AIR POUCHED TO OES/APT/SA.

10. THIS INFO BEING PROVIDED IN ADVANCE OF OFFICIAL NOTICE TO MARINERS TO BE ISSUED BY GOJ MINISTRY OF TRANSPORT SO THAT FEDERAL AGENCIES HAVE OPPORTUNITY TO FULLY CONSIDER IMPLICATIONS AND TO OFFER COMMENTS OR ADVICE TO GOJ.
HODGSON

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